

LiftSight™

IOT Cloud SCADA System



Flowco
Production Solutions

Built to Optimizesm

**“Actionable, Secure Data.
Any Time/Any Where.
In Seconds.”**



Raising the Bar on Artificial-Lift Optimization

Flowco Production Solutions is the premier provider of artificial-lift solutions, specializing in delivering turnkey products and services to optimize oil and gas production. We engineer, manufacture, install, and optimize gas lift, plunger lift, and integrated production systems, serving oil and gas basins throughout North America.

Our mission remains the same: to safely maximize the lifespan and efficiency of oil and gas wells with a full spectrum of high-performance artificial-lift technology and well optimization services. Our artificial-lift experts work with you to understand both your short-term challenges and long-term goals.

Our commitment is simple, yet unwavering: well optimization through superior artificial-lift technologies, delivered with unrivaled customer service and support.

While many customers made investment in legacy SCADA (supervisory control and data acquisition) systems, ours is the next “best-in-class” step offering improvements, speed, and reliability.



“LiftSight IOT Cloud SCADA System saves time, money and streamlines efficiency.”

| Well Name | Gas YDY MCF | Gas Inj YDY MCF | Oil YDY BBL | Water YDY BBL | Casing PSI | Tubing PSI | Line PSI |
|-------------|-------------|-----------------|-------------|---------------|------------|------------|----------|
| Test Unit 1 | 0.00 | 0.00 | 0.00 | 0.00 | 712.01 | 202.41 | 185.49 |
| Test Unit 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Test Unit 3 | 262.21 | 95.83 | 262.21 | 544.23 | 547.00 | 177.00 | 262.00 |
| Test Unit 4 | 262.28 | 95.83 | 262.28 | 549.67 | 547.00 | 177.00 | 262.00 |
| Test Unit 5 | 262.28 | 95.83 | 262.28 | 549.67 | 547.00 | 177.00 | 262.00 |

At a Glance

Reliable, timely and accurate field data *at your fingertips* is critical for short-term field adjustments and long-term decision making.

Intuitive, easy-to-use SCADA systems:

- Keep systems operating optimally.
- Provide actionable data for better decision making.
- Manage safety and environmental concerns.

Game-changing advantages:

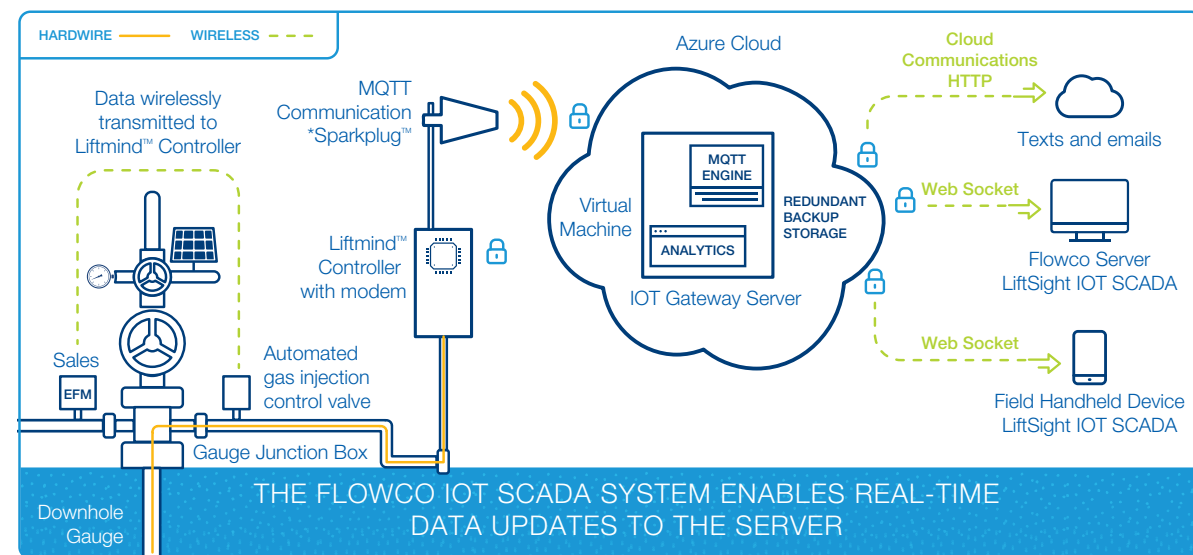
- Data from our LiftSight system can be pulled into existing systems.
- Our LiftSight platform uses Message Queuing Telemetry Transport (MQTT) technology and Next-Gen technology for speed, reliability, and adaptability to many popular SCADA platforms.
- Each LiftSight system provides powerful computing capabilities at the wellhead.
- Real-time reservoir monitoring capabilities by adding a live gauge downhole.
- The platform can be configured for all forms of artificial lift.
- The LiftSight platform uses secure authentication and authorization protocols and user-defined security definitions to ensure your data is safe.

Customer-Focused, Next-Gen IOT Cloud SCADA Technology

The **LiftSight™ IOT Cloud SCADA System** platform gives you advantages of real-time data and improved usability versus traditional radio technology at the wellsite. Our systems are designed mobile-first and platform-ready for a faster, more reliable snapshot of the well, accessed from wherever you are and whenever you need the data.

You gain true supervisory control at the well head, plus remote monitoring and control of tank levels, chemical injection, gas volumes, pressures, temperatures, flow rates, compressor set points, and more.

Message Queuing Telemetry Transport (MQTT) technology provides a lightweight messaging protocol which is optimized for bandwidth-constrained or unreliable networks to mitigate downtime and is adaptable to the majority of popular SCADA platforms in today's market.

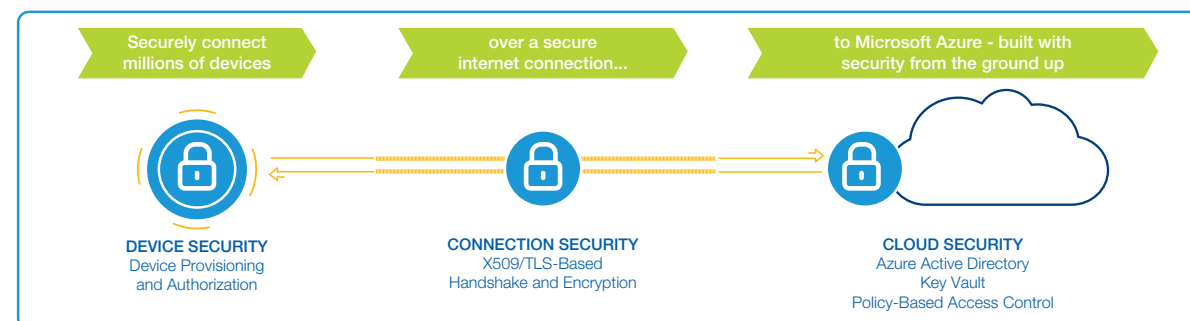


*Sparkplug™ is a product of Cirrus Link Solutions

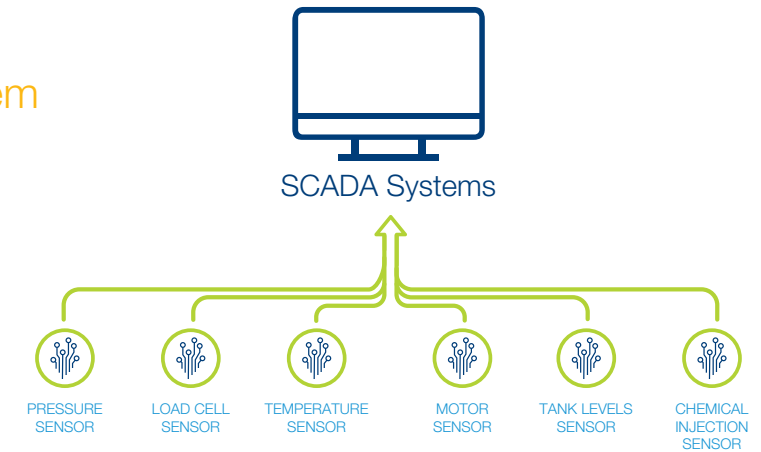
In the topside modem, a Linux-based system with its open-sourced advantages for greater flexibility to customize your SCADA solution provides maximum computing power. Our Flowco SCADA solution gives you power, security, reliability, and customization for a lower total investment than comparable systems in the marketplace.

LiftSight™ IOT Cloud SCADA System applications:

- Flowing wells
- Gas Lift and/or plunger lift optimization
- Gas-assisted plunger lift optimization (GAPL)
- Downhole gauge monitoring
- Monitoring other forms of lift



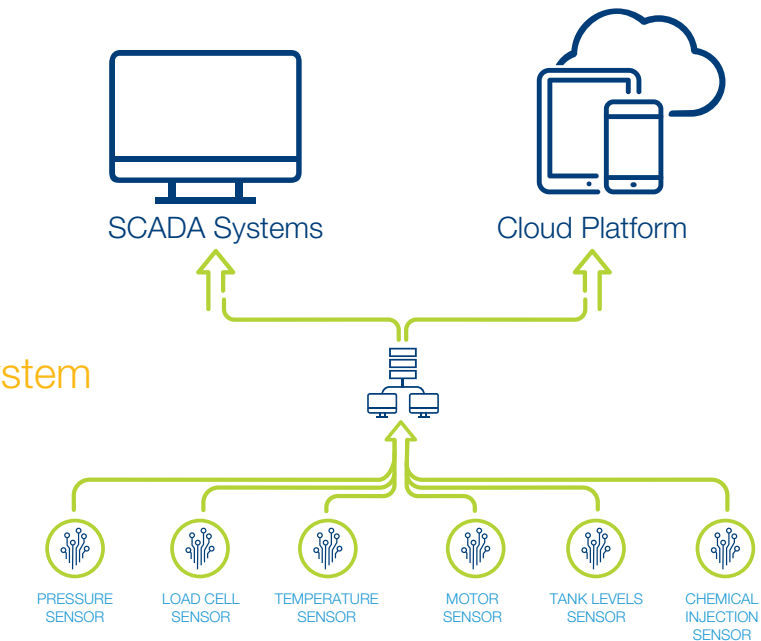
Legacy SCADA System



Traditional SCADA System: costly, inefficient

- Data storage limited, costly
 - Data stored on physical device housed by user
 - Multiple structures may need to be built
 - Data storage limited by customers' ability to house data
- Data polling limited to 15-30 minute updates; usually once an hour/day
- Radio towers and equipment purchased; private radio installed to retrieve data
- Additions required several hours/days to bring online
- Connections slow, depending on how many people logged into system
- Yearly, costly software licenses to gain updates, fix bugs; issued by provider only quarterly

LiftSight™ IOT Cloud SCADA System



Our LiftSight System: saves time and money, streamlines efficiency

- Resources accessed immediately from anywhere on any device, with an internet connection; view real time data and make changes immediately from anywhere
- System is easy to operate from any desktop or mobile device
- Data polling in real time; poll rate options can be configured
- MQTT formatting of data allows for extreme compression/packaging of the data, resulting in significant bandwidth reductions
- Cellular communications for data transmission (no radio network required)
- Complete systems brought online in minutes
- Ability to remotely make instantaneous changes and optimize
- Instant data downloads
- Connections and data access in milliseconds

Enhanced Performance Advantages Bring Peace of Mind

Digitalization is transforming oil and gas production and Flowco is on the leading edge of that change.

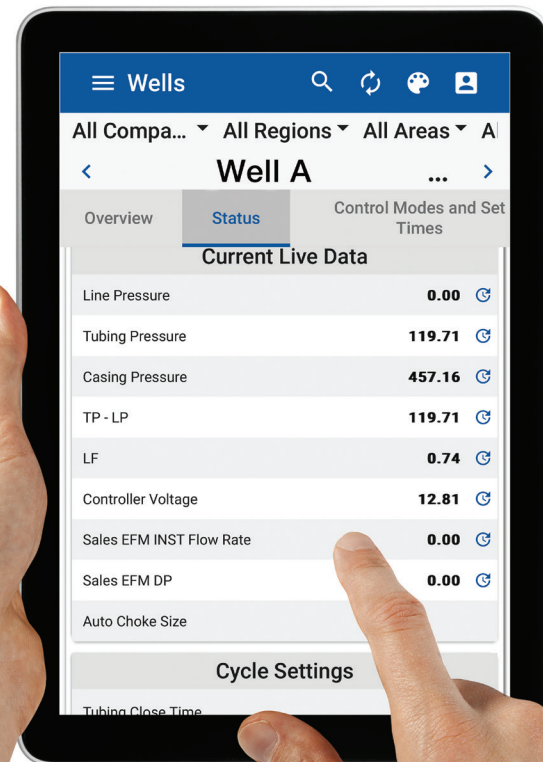
Our platform features a store and forward function in which data is sent to an intermediate station where it can be kept and sent at a later time. This feature enables remote hosts, data connectivity, and transmission, even if the direct connection to the host is lost. The data is packaged for 24/7 availability.

Record and store data in seconds compared with typical hourly or 15-minute increments. Every minute of recording produces a myriad of data. Customers can be reassured that they will retain complete ownership of their well information and that their data is safe and always accessible in the trusted Microsoft Azure cloud environment.

Data from our system can be also pulled into your legacy systems.

The **LiftSight™ IOT Cloud SCADA System** basic installation package includes secure data storage in the cloud for a fixed period of time. Your Flowco salesperson has program specifics.

Call or email us today to learn about the results you can achieve with our IOT SCADA system:
info@flowcosolutions.com.



Customer Satisfaction

Optimized production rates were achieved by a leading North American energy producer after installing our **LiftSight™ IOT Cloud SCADA System** in a legacy, plunger-lift well field: a significant boost in oil and gas production, a spike in gas production from 65mcf to 135mcf per day, and an increase in oil production of over six barrels a day.

The operator credits the **LiftSight™** real-time dashboard and decreased dependency on manual processes and the limitations of older technology for the sustained production increase.



“We are ready to deliver **unequaled customer support** – **wherever** and **whenever** you need it.”



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